

CLAIMS

1. Process for manufacturing a door for an  
5 automobile vehicle, characterized in that said door is  
made in two parts assembled independently of each other:

- a lower part (21), without guide means for a  
moving window, and

- an upper part (22) containing a window,

10 and in that said lower (21) and upper (22) parts are  
then fixed (33) to each other at an assembly area of  
said door, extending approximately horizontally and  
corresponding to the top of said lower part and the  
bottom of said upper part.

15 2. Process for manufacturing a door according to  
claim 1, characterized in that said upper part (22) of  
the door comprises means of closing said window,  
comprising a fixed assembly (222) and at least one  
mobile panel (223), said mobile panel being used to open  
20 or close an opening (228) formed in said fixed assembly.

3. Process for manufacturing a door according to  
claim 2, characterized in that said mobile panel (223)  
is mounted on at least one support and/or guide element  
(225, 226) fixed to said fixed assembly (222).

25 4. Process for manufacturing a door according to  
~~any one of claims 1 to 3~~, characterized in that said

claim 1

upper part (22) of the door comprises a frame (221) or at least one approximately vertical upright on its inner face.

5     a     5     5. Process for manufacturing a door according to claims 3 and 4, characterized in that at least one of the ends of at least one of said support and/or guide elements (225, 226) is fixed to said frame (221) or said approximately vertical uprights of said closing means.

10     a     6. <sup>Claim 1</sup> Process for manufacturing a door according to ~~any one of claims 1 to 5~~, characterized in that said step (31) in which a lower part (21) of the door is made advantageously includes the assembly of an outer bodywork panel (212) and an inner trim (213) on a structural element (211).

15     a     7. <sup>Claim 1</sup> Process for manufacturing a door according to ~~any one of claims 1 to 6~~, characterized in that said attachment step (33) can involve at least one of the operations belonging to the group including gluing, welding, brazing or riveting.

20     a     8. <sup>Claim 1</sup> Process for manufacturing a door according to ~~any one of claims 1 to 7~~, characterized in that said mobile panel (223) is mounted on two support and/or guide elements (225, 226) so as to slide in a plane approximately parallel to the plane formed by said fixed assembly.

25     a     9. <sup>Claim 1</sup> Process for manufacturing a door according to ~~any one of claims 1 to 8~~, characterized in that said mobile panel is mounted to fit in the plane formed by said fixed assembly (222) in the closed position.

30     10. Process for manufacturing a door according to claim 9, characterized in that the mechanism of the mobile panel (223) can be broken down into two independent displacements:

35     - a locking/unlocking displacement perpendicular to the plane formed by said fixed assembly, and

enabling passage from said plane formed by said fixed assembly to a sliding plane approximately parallel to the plane formed by said fixed assembly,

- 5        - displacement by sliding in said sliding plane.

11. Process for manufacturing a door according to claim 9, characterized in that said mobile panel (223) has a continuous mechanism, such that the plane formed by said fixed assembly moves gradually into a sliding plane approximately parallel to said plane formed by said fixed assembly.

12. Process for manufacturing a door according to <sup>claim 10</sup> ~~either of claims 10 and 11~~, characterized in that said sliding plane is located inside the vehicle.

13. Process for manufacturing a door according to <sup>claim 10</sup> ~~either of claims 10 and 11~~, characterized in that said sliding plane is located inside the vehicle.

14. Process for manufacturing a door according to claim 8, characterized in that said mobile panel is mounted to swing around an axis of rotation parallel to the plane formed by said fixed assembly.

15. Door for an automobile, characterized in that it is manufactured using the process according to <sup>claim 1</sup> ~~any one of claims 1 to 14~~.

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